

Converting Colors

XYZ(46.0186, 22.1587, 72.8506)

Have a look what the booklet for
XYZ(46.0186, 22.1587, 72.8506)
contains.

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Color

**XYZ(46.2237, 22.2592,
73.0944)**

Conversions

Conversions Part 1

Format	Color
Hex	E600E1
RGB	230, 0, 225
RGB Percent	90%, 0%, 88%
CMY	0.0980, 0.9999, 0.1176
CMYK	0.00, 1.00, 0.02, 0.10
HSL	301°, 100%, 45%
HSV	301°, 100%, 90%
XYZ	46.2237, 22.2592, 73.0944
YIQ	94.4200, 64.8550, 118.7350

Conversions

Conversions Part 2

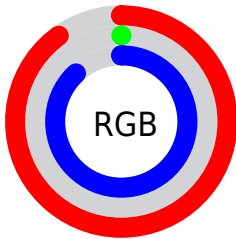
Format	Color
R _Y B	230, 0, 225
Decimal	15073505
CIE _{Lab}	54.30, 90.18, -53.91
CIE _{LCh}	54, 105.064, 329.127
Y _{xy}	22.2592, 0.3265, 0.1572
Android (android.graphics.Color)	4293263585 (0xFFE600E1)
YUV	94.4200, 64.3759, 118.9037
Hunter-Lab	47.1797, 92.3188, -58.8309

Details

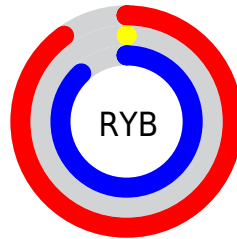
The XYZ color **46.2237, 22.2592, 73.0944** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.3252, 56.6056, 9.5777**, and the grayscale version is **10.5852, 11.1365, 12.1276**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.5236, 11.2996, 38.4773** is the 20% darker color. If you saturate the color by 10%, you get **46.2241, 22.2594, 73.0942**, and if you desaturate by 10%, it is **46.5997, 22.9010, 73.5570**.

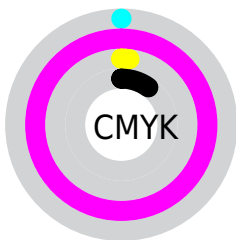
Distribution



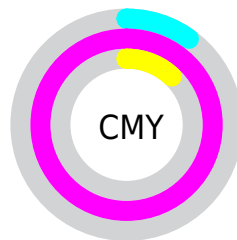
- Red (90%)
- Green (0%)
- Blue (88%)



- Red (90%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2237, 22.2592, 73.0944 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.2237, 22.2592, 73.0944 by changing the saturation by 10% instead.

 46.2237, 22.2592,
73.0944


 46.2237, 22.2592,
73.0944


362.4081,
263.8969, 490.4215


 32.6278, 14.0475,
53.5609


 83.7795, 47.1740,
125.3334


 21.9993, 8.1537,
37.8599


 108.4701, 64.6459,
158.8759


 13.9730, 4.1935,
25.5730


 137.5895, 85.9733,
197.9251

 8.1835, 1.7824,
16.2816

 171.5033,
111.5406, 242.8997

 4.2654, 0.4761,
9.5671

 210.5767,
141.7323, 294.2181

 1.8533, 0.0000,
5.0111

255.1750,

 0.5495, 0.0000,

176.9326, 352.2988

2.1949

305.6638,
217.5260, 417.5604

■ 0.0000, 0.0000,
0.6714

■ 0.0000, 0.0000,
0.0000

■ 46.2237, 22.2592,
73.0944

■ 46.2237, 22.2592,
73.0944

■ 46.2241, 22.2594,
73.0942

■ 46.5997, 22.9010,
73.5570

■ 47.3395, 24.2710,
74.1418

■ 48.5602, 26.6024,
74.8878

■ 50.3291, 30.0299,
75.8176

■ 52.7029, 34.6667,
76.9499

■ 55.7310, 40.6121,
78.3014

■ 59.4582, 47.9551,
79.8869

■ 63.9248, 56.7767,
81.7198

■ 69.1684, 67.1519,
83.8128

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7778, 22.2592, 131.5006



46.2237, 22.2592, 73.0944



51.6706, 22.2592, 25.2095

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2237, 22.2592, 73.0944



21.4938, 22.2592, 0.0000



7.1676, 22.2592, 69.6772

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2237, 22.2592, 73.0944



28.3252, 56.6056, 9.5777

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.8996, 22.2592, 23.2888



46.2237, 22.2592, 73.0944



12.1512, 22.2592, 0.1289

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2237, 22.2592, 73.0944



34.5773, 22.2592, 0.2408



7.3318, 22.2592, 4.1480



11.7543, 22.2592, 128.5578

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2237, 22.2592, 73.0944



49.5030, 22.2592, 8.8955



7.3318, 22.2592, 4.1480



6.4323, 22.2592, 51.3080

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2246, 22.2603, 73.0948



75.0433, 60.4134, 100.9155



14.3319, 5.7390, 75.2162



15.6126, 12.0443, 21.4108



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2246, 22.2603, 73.0948



58.4099, 28.1280, 92.3456



35.5134, 17.9758, 16.6905



14.9809, 14.6095, 18.0997



26.1755, 12.6044, 41.4145



1.9386, 0.9332, 3.0832

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.2246, 22.2603, 73.0948



58.4099, 28.1280, 92.3456



31.6185, 57.9229, 26.9197



14.9809, 14.6095, 18.0997



26.1755, 12.6044, 41.4145



1.9386, 0.9332, 3.0832

Previews

White Background



This preview shows how the XYZ color 46.2237, 22.2592, 73.0944 looks on a white background.

Color Contrast Check

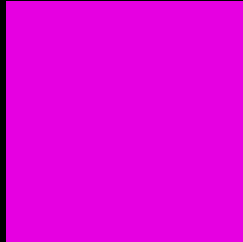
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 46.2237, 22.2592, 73.0944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

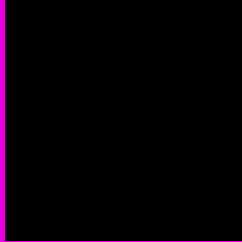
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2237, 22.2592, 73.0944

Background



This preview shows how black text looks on a background with the XYZ color 46.2237, 22.2592, 73.0944.



This preview shows how white text looks on a background with the XYZ color 46.2237, 22.2592,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.2237, 22.2592, 73.0944

Protanopia

27.0555, 23.1288, 97.6461

Deuteranopia

23.6653, 23.0905, 64.8376



Tritanopia

33.8290, 22.3865, 13.1277

Trichromacy



Original Color

46.2237, 22.2592, 73.0944



Protanomaly

26.6077, 16.1984, 87.3122



Deuteranomaly

25.8815, 16.6169, 66.8090



Tritanomaly

36.1155, 20.1535, 27.5777

Monochromacy



Original Color

46.2237, 22.2592, 73.0944



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8260, 11.0244, 26.7796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2237, 22.2592, 73.0944 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 46.2237, 22.2592, 73.0944 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 0, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 0, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 0, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2237, 22.2592, 73.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230, 0,  
225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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